

### **REMARKS**

This responds to the Office Action dated September 22, 2006.

Claims 1, 4, 9, 12, and 17 are amended, and claims 3, 11, and 18 are canceled. As a result, claims 1-2, 4-10, 12-17, and 19-20 are now pending in this application.

#### **Information Disclosure Statement**

Applicant submitted a Supplemental Information Disclosure Statement and a 1449 Form on July 11, 2006. Applicant respectfully requests that initialed copies of the 1449 forms be returned to Applicants' Representatives to indicate that the cited references have been considered by the Examiner.

#### **§103 Rejection of the Claims**

Claims 1, 5-9, 14, 16, 17, 19 and 20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over White (U.S. Patent No. 5,562,709) in view of Borgerding et al. (U.S. Patent No. 6,058,327). The rejections are traversed. Applicant has amended the claims herein, however, in a manner believed to overcome the rejections based upon the indication of allowable subject matter. Specifically, claim 1 has been amended to incorporate the limitations of claim 3, and claim 9 has been amended to incorporate the limitations of claim 11. Also, claim 17 has been amended to incorporate the limitations of claim 18 to which no art rejections were applied in the Office Action.

#### **Allowable Subject Matter**

Claims 2-4, 10-13 and 15 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. In view of the amendments contained herein, Applicant believes that the rejections have been overcome.

Serial Number: 10/608,518

Filing Date: June 24, 2003

Title: APPARATUS AND METHOD FOR R-WAVE DETECTION WITH DUAL DYNAMIC SENSITIVITIES

**CONCLUSION**

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (847) 432-7302 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

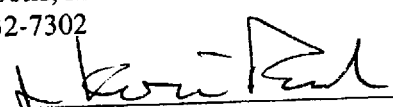
JAEHO KIM ET AL.

By their Representatives,

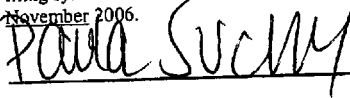
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Date 11-22-06

By

  
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**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22312-1450 on this 22 day of November 2006.



Name

  
Signature